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MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

U24S SERIES

Jameco Part Number 221786 (U24S102-P2JU)

- .UNIVERSAL AC INPUT/ FULL RANGE
- .3 POLE AC INLET IEC320-C14
- .SHORT CIRCUIT PROTECTED
- .OVER LOAD PROTECTED
- .OVER VOLTAGE PROTECTED
- .LED INDICATE FOR POWER ON
- .FULLY ENCLOSED PLASTIC CASE
- .APPROVALS:UL/CUL/TUV/CE
- .FULL OUTPUT 3~48VDC SAFETY APPROVED
- .COMPACT SIZE, LIGHT WEIGHT
- .100% FULL LOAD BURN-IN TEST
- .OUTPUT CONNECTOR CAN BE SELECTED(OPTION)
- .OEM BRAND WELCOME
- .1 YEAR WARRENTY

MODEL / SPECIFICATION	U24S102-yyy	U24S103-yyy	U24S104-yyy	U24S105-yyy	U24S106-yyy	U24S107-yyy	U24S108-yyy	U24S109-yyy	U24S110-yyy	U24S111-yyy
DC OUTPUT VOLTAGE	5V	7.5V	9V	12V	15V	18V	24V	30V	36V	48V
OUTPUT V. TOLERANCE	±5%	±5%	±5%	±3%	±3%	±3%	±2%	±2%	±2%	±2%
OUTPUT RATED CURRENT	3A	2.66A	2.44A	2A	1.6A	1.33A	1A	0.8A	0.66A	0.5A
OUTPUT CURRENT RANGE	0-3A	0-2.66A	0-2.44A	0-2A	0-1.6A	0-1.33A	0-1A	0-0.8A	0-0.66A	0-0.5A
RIPPLE & NOISE (Vp-p)	50m	75m	90m	100m	120m	120m	150m	150m	180m	200m
LINE REGULATION	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
LOAD REGULATION	±5%	±5%	±5%	±3%	±3%	±3%	±2%	±2%	±2%	±2%
DC OUTPUT POWER	15W	20W	22W	24W	24W	24W	24W	24W	23.7W	24W
EFFICIENCY	67%	70%	72%	74%	74%	75%	77%	77%	78%	78%
DC VOLTAGE ADJ.	FIXED									
INPUT VOLTAGE RANGE	90~260VAC 47~63Hz									
AC CURRENT	0.7A/230VAC									
INRUSH CURRENT	COLD START < 40A PEAK/230VAC									
LEAKAGE CURRENT	<0.75mA/240VAC									
OVERLOAD PROTECTION	HICCUP MODE, AUTO RECOVERY									
OVER VOLTAGE PROTECTION	110%~145% OF RATED OUTPUT VOLTAGE									
OVER TEMP. PROTECTION	------									
TEMP. COEFFICIENT	±0.03% / ◦C (0~50◦C)									
SETUP, RISE, HOLD UP TIME	800ms, 50ms, 16ms AT FULL LOAD AND 230VAC INPUT									
VIBRATION	10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES									
WITHSTAND VOLTAGE	I/P-O/P:3KVAC, I/P-FG:1.5KVAC FOR 1minute.									
ISOLATION RESISTANCE	I/P-O/P, I/P-FG:500VDC / 100M Ohms min.									
WORKING TEMP., HUMIDITY	0◦C~+40◦C @ 100%LOAD, +70◦C @ 60%LOAD, 20%~90% RH									
STORAGE TEMP., HUMIDITY	-20◦C~+85◦C, 10%~95% RH									
DIMENSION	106*65*30mm (L*W*H)									
WEIGHT; Q'TY/CARTON	0.23Kgs; 50PCS/CARTON									
SAFETY STANDARDS	UL1950, CSA22.2, TUV EN60950									
EMC STANDARDS	EN55022, EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11									
LENGTH OF OUTPUT CABLE	STANDARD CABLE:180cm WITH SPT-1, 18AWG*2C(OPTION)									
PLUG OF DC OUTPUT	STANDARD PLUG P2J:2.1¢*5.5¢*11mm, CENTER POSITIVE yyy:TO BE DEFINED BY OUTPUT CABLE AND CONNECTOR									

NOTE :
1. ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2. TOLERANCE : INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
3. RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
4. LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
5. LOAD REGULATION IS MEASURED FROM 0% TO 100% RATED LOAD.

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